

Love Dale Central School

Curriculum 2022-23

Sub: Science

Class : VII

Month	Book	Chapter/Lesson title	Topics	Activity	Learning Outcome
APRIL	CAMBRIDGE SCIENCE VOYAGE	NUTRITION IN PLANTS		To show that sunlight is necessary for photosynthesis	1. Distinguish between autotrophic and heterotrophic mode of nutrition and explain the conditions necessary for photosynthesis 2. List
APRIL/ JUNE	CAMBRIDGE SCIENCE VOYAGE	NUTRITION IN ANIMALS		To make a model of human digestive system using modeling clay	1. List and explain steps of Nutrition 2. Describe nutrition in humans 3. Describe nutrition in ruminants.
JUNE	CAMBRIDGE SCIENCE VOYAGE	HEAT AND TEMPERATURE		1. To show conduction in solids . 2. To show convection in liquids.	1. Explain the effects of heat 2. Describe different temperature scales and types of thermometers. 3. Distinguish between conduction ,convection and radiation.
JULY/ AUGUST	CAMBRIDGE SCIENCE VOYAGE	SOIL		To diagrammatically represent soil profile.	1. Explain weathering and describe the factors that cause it. 2. Evaluate the properties of soil through experiments. 3. List the importance and methods of soil conservation
AUGUST/SEPTEMBER	CAMBRIDGE SCIENCE VOYAGE	RESPIRATION		To draw, label and explain the parts of human respiratory system	1. Outline what respiration is and what happens during respiration? 2. Describe respiration in humans. 3. Differentiate between Aerobic and Anaerobic Respiration
SEPTEMBER	CAMBRIDGE SCIENCE VOYAGE	MOTION AND TIME		To plot distance- Time graph for uniform and non- uniform motion.	1. Distinguish between different types of motion. 2. Describe the history and present of measuring time. 3. Calculate speed 4. Plot distance –time graph
SEPTEMBER	CAMBRIDGE SCIENCE VOYAGE	FORESTS		To list the steps of conservation of forests	1. Explain importance of forests and conservation of forests 2. Describe food chains and food webs
OCTOBER	CAMBRIDGE SCIENCE VOYAGE	Acids, Bases and Salts		To write examples and equations for different chemical reactions.	1. Differentiate between physical and chemical changes 2. Explain chemical symbols, formulae, reactions and equations. 3. Determine the process of crystallization
OCTOBER	CAMBRIDGE SCIENCE VOYAGE	Physical & Chemical Changes		To prepare china rose indicator and test with an acid and base.	1. List properties and uses of Acids and Bases. 2. Explain nature of salt . 3. Define and describe different types of indicators.
NOVEMBER	CAMBRIDGE SCIENCE VOYAGE	Transportation in Plants		1. To draw labeled diagram of human excretory system.	1. Describe the circulatory system in humans. 2. Describe excretory system in humans. 3. Describe transport system in plants
NOVEMBER	CAMBRIDGE SCIENCE VOYAGE	Reproduction in Plants		1. Reproductive parts of flower.(To draw and observe)	1. Identify the different ways of vegetative propagation 2. Explain sexual reproduction

DECEMBER	CAMBRIDGE SCIENCE VOYAGE	Electric Current and Its Effects		To set up an simple electric circuit.	1. Describe an electric circuit and its components. 2. Explain heating and magnetic effects of electric current 3. Describe the working of an electric bell
JANUARY	CAMBRIDGE SCIENCE VOYAGE	Light		1. To observe the path of light using candle, straight plastic tube and bent plastic tube.	1. Explain rectilinear propagation of light. 2. Discuss lenses and images formed by them 3. Explain how a spectrum is formed.
JANUARY	CAMBRIDGE SCIENCE VOYAGE	Wise use of water		Diagrammatic representation of water cycle.	1. Explain availability of water 2. Describe water cycle 3. List the ways to conserve water.
FEBRUARY	CAMBRIDGE SCIENCE VOYAGE	Waste Management		2. To find out how water and sewage is disposed off in your house or apartment complex.	1. Describe waste water and list its sources. 2. Explain the importance of sanitization ,and how it is related to diseases